

## **ABSTRACT**

### **COMMAND SCHEDULING IN COMPUTER NETWORKS**

5 A computer network (1) comprises:- at least two processing nodes each  
having a processor (4) on which one or more user processes are executed  
and a respective network interface (2); and a switching network (3) which  
operatively connects the at least two processing nodes together, each  
network interface (2) including a command processor and a memory  
10 wherein the command processor of said network interface (2) is configured  
to allocate exclusively to a user process being executed on the processor  
(4) with which the network interface (2) is associated one or more  
segments of addressable memory in said network interface memory as a  
respective one or more command queues. The network interface (2) is  
15 capable of processing command data at high rates and with low latencies  
whilst maintaining the security of individual user processes.

Fig. 1